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(54) Title: STORMWATER MANAGEMENT SYSTEM FOR URBAN STORAGE AND RECOVERY

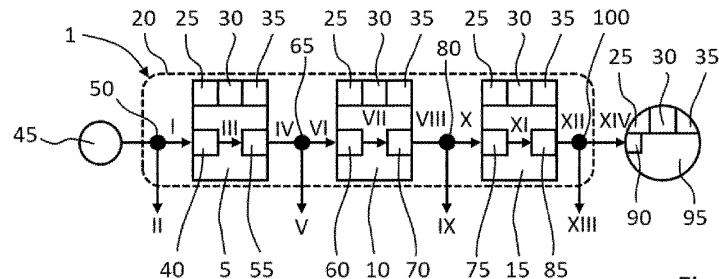


Fig. 1A

(57) Abstract: In order to improve the quality of stormwater, a stormwater management system (1) is adapted to be in fluidic communication between a stormwater source (45) and a well means (95), having a filtration means (20), having at least one stormwater inlet means (40), which is adapted to receive stormwater from the stormwater source (45), at least one influent sump means (5), which is adapted to receive stormwater from the stormwater inlet means (40), to physically and/or chemically treat the stormwater and to output influent-sump-water downstream of the stormwater inlet means (40), a biofiltration means (10), which is adapted to receive at least part of the influent-sump-water from the influent sump (5) means, to physically and/or chemically treat the influent-sump-water and to output biofiltration-water downstream of the influent sump means (5), at least one effluent sump means (15), which is located in the same construction (135) as the influent sump means (5) and which is adapted to receive at least part of the biofiltration-water from the biofiltration means (10), to physically and/or chemically treat the biofiltration-water and to output effluent-sump-water downstream of the effluent sump means (15) to the well means (95), and at least one sensor means (25), and/or at least one control means (30) and/or at least one communication means (35) to sense data, control and receive and/or send data, respectively, representing at least a physical and/or chemical property of and/or in the stormwater, the influent-sump-water, the biofiltration-water, the effluent-sump-water, the stormwater inlet means (40), the influent sump means (5), the biofiltration means (10), and/or the effluent sump means (15).

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